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- (71) Applicant (for all designated States except US): UT-Starcom Korea Limited [KR/KR]; San 136-1, Ami-ri, Bubal-eub Icheon-si,, Kyongki-do 467-701 (KR).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LEE, Dong Gyu [KR/KR]; San 136-1, Ami-ri, Bubal-eub Icheon-si, Gyeonggi-do 467-860 (KR).
- (74) Agent: AN, Kook Chan; Hannuri Bldg. 219 Naeja-dong, Chongno-gu., Seoul 110-053 (KR).

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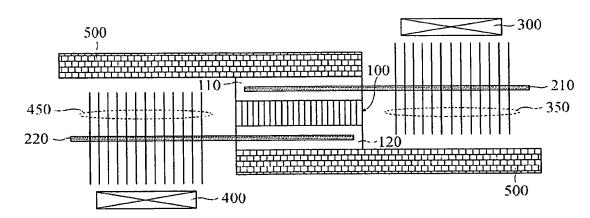
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(54) Title: COMPACT THERMAL EXCHANGE UNIT OF THERMO-ELECTRIC COOLING MODE USING HEAT PIPE



(57) Abstract: The present invention relates to a thermal exchange device using heat pipes to effectively discharge heat from inside of an open-air communication system. The present invention provides a plurality of heat pipes directly inserted between the plates of the thermo-electric cooling unit for accommodating a plurality of fins thereon. According to the structure suggested by the invention, since the heat pipes can be placed laterally with the thermo-electric cooling unit, the size of the overall communication system can be reduced with the same discharge capability.